

Title (en)

Bidirectional communication system with dual resonant antenna circuit for RF tags

Title (de)

Bidirektionales-Kommunikationssystem mit Doppelresonanz-Antennenschaltung für RF-Anhänger

Title (fr)

Système de communication avec circuit d'antenne à double résonance pour étiquette RF

Publication

**EP 0592224 B1 20020814 (EN)**

Application

**EP 93307994 A 19931007**

Priority

US 95711992 A 19921007

Abstract (en)

[origin: EP0592224A1] A two-way communication system is provided having a stationary device and a portable passive device. The portable passive device has circuitry for storing and transmitting coded information. The stationary member transmits a signal at a first frequency via magnetic field and the portable passive device transmits coded information stored on circuitry provided therein at a second frequency also via a magnetic field. An antenna circuit is provided in the portable passive device having a parallel resonant circuit and a series resonant circuit. The parallel resonant circuit derives operating power from the signal at a first frequency for use in the circuitry provided in the portable passive device. The series resonant circuit transmits coded information at a second frequency. <IMAGE>

IPC 1-7

**H04B 1/59**

IPC 8 full level

**G01S 13/75** (2006.01); **G06K 17/00** (2006.01); **G06K 19/07** (2006.01); **H04B 5/02** (2006.01)

CPC (source: EP US)

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Cited by

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